17. (Amended)

A method of providing universal data exchange, the method comprising:

organizing data into fields;

identifying the fields in a file allocation table including pulse start and end information for each of the fields;

providing a receiving device with a driver program capable of understanding the file allocation table;

transmitting the file allocation table to the receiving device; and

transmitting the data fields identified in the file allocation table.

Kindly add the following new claims 21-44:

21. (New)

A method of transmitting data between a device and a communications channel interface, comprising:

communicating a request for the data from the device to the communications channel interface;

determining a type of data being requested;

accessing the data within a communications channel by the communications channel interface using a linear database protocol that defines a position of the data based on the type of data being requested;

transmitting the data from the communications channel interface to the device.

22. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using radio frequency over guided media.

23. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using a radio frequency system over non-guided media.

24. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using an ultra wideband radio frequency system over guided media.

25. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using an ultra wideband radio frequency system over non-guided media.

26. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of transmitting is transmitting using a fiber optic system.

27. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the step of accessing data with the linear database protocol is accessing data based on pulse position information associated with the type of data being requested.

28. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the data includes streaming data.

29. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the data includes non-streaming data.

30. (New)

The method of transmitting data between a device and a communications channel interface of claim 25 wherein the ultra wideband radio frequency transmission system uses variable pulse characteristics to represent data.

31. (New)

The method of transmitting data between a device and a communications channel interface of claim 25 wherein the ultra wideband radio frequency transmission system uses variable spaces between pulses to represent data.

32. (New)

The method of transmitting data between a device and a communications channel interface of claim 21 wherein the structured linear database protocol uses a structured linear database comprising a linear file allocation table including a field name for one or more subdivisions of data, pulse start and end position information for each of the field names.

33. (New)

The method of transmitting data between a device and a communications channel interface of claim 32 wherein the structured linear database further comprises a routing header portion and a tailbit portion.

34. (New)

The method of transmitting data between a device and a communications channel interface of claim 32 wherein the structured linear database is variable in length.

35. (New)

A method of providing universal data exchange, the system comprising:

organizing data into data fields;

identifying the data fields in a file allocation table;

providing a receiving device capable of understanding the file allocation table;

transmitting the file allocation table to the receiving device;

transmitting the data fields identified in the file allocation table; and

identifying the data fields by the receiving device according to the file allocation table.

36. (New)

The method of providing universal data exchange of claim 35 wherein the fields are e-mail type fields.

37. (New)

The method of providing universal data exchange of claim 35 wherein the fields are business specific type fields.

38. (New)

The method of providing universal data exchange of claim 35 wherein the fields identified in the file allocation table are identified by reference to a standard format understandable by the receiver device.

39. (New)

The method of providing universal data exchange of claim 35 wherein digitally encoded data in a public formatted structured linear database is used.

40. (New)

The method of providing universal data exchange of claim 35 wherein digitally encoded data in a privately formatted structured linear database is used.

41. (New)

The method of providing universal data exchange of claim 35 wherein the steps of transmitting are performed using time modulated ultra wideband radio frequency transmissions.

42. (New)

The method of providing universal data exchange of claim 35 wherein the steps of transmitting are performed over guided media.

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43. (New)

The method of providing universal data exchange of claim 35 wherein ultra wideband radio frequency transmissions are performed over non-guided media.

44. (New)

The method of providing universal data exchange of claim 35 wherein the steps of transmitting use a duplex transmission method.